

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	separating adj tower same packing adj materials	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 15:27
S2	38	separating adj tower same pack\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:26
S3	20962	(separating adj tower or separator) same (pack\$5 or packing adj material)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:27
S4	3120	(separating adj tower or separator) same (pack\$5 or packing adj material) same gas same liquid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:27
S5	3641	(separating adj tower or separator) same (pack\$5 or packing adj material) same (gas or vapor) same liquid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:49
S6	282	(separating adj tower or separator) same (packing adj material) same (gas or vapor) same liquid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:28
S7	9	(separating adj tower or separator) same (packing adj material) same (gas or vapor) same liquid and ("436"/\$ or "422"/\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:28
S8	0	(separating adj tower or separator) same (packing adj material) same (gas or vapor) same liquid same purif%4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:28

## EAST Search History

S9	24	(separating adj tower or separator) same (packing adj material) same (gas or vapor) same liquid same purif\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:28
S10	282	(separating adj tower or separator) same (packing adj material) same (gas or vapor) same liquid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:31
S11	28	(separating adj tower or separator) same (packing adj material) same (gas or vapor) same liquid and gas same (activated adj carbon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:41
S12	384	costantini.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:41
S13	0	michael adj costantini.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:41
S14	7	costantini.in. and supercritical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:43
S15	25	"5772783"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:47
S16	0	S15 and packing adj material	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:47

## EAST Search History

S17	0	S15 and absorbant	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:47
S18	116	S15 seporator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:47
S19	0	S15 and seperator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:47
S20	0	(separating adj tower or separator) same (packing adj material) and gas same (activate adj carbon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:49
S21	35	(separating adj tower or separator) same (packing adj material) and gas same (activated adj carbon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/10 18:49
S22	25	"5772783"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/15 11:26

# EAST Search History

S23	235	("20010050096"   "20020001929"   "20020046707"   "20020189543"   "20030036023"   "20030051741"   "20030161734"   "20030196679"   "20030205510"   "20040020518"   "20040134515"   "20040157463"   "20040213676"   "20050014370"   "20050026547"   "20050111987"   "20050141998"   "20050158178"   "20050191184"   "20060130966"   "2617719"   "2625886"   "2873597"   "3521765"   "3623627"   "3689025"   "3744660"   "3968885"   "4029517"   "4091643"   "4145161"   "4245154"   "4341592"   "4355937"   "4367140"   "4391511"   "4406596"   "4422651"   "4426358"   "4474199"   "4522788"   "4549467"   "4574184"   "4592306"   "4601181"   "4626509"   "4670126"   "4682937"   "4693777"   "4749440"   "4778356"   "4788043"   "4789077"   "4823976"   "4825808"   "4827867"   "4838476"   "4865061"   "4879431"   "4917556"   "4924892"   "4951601"   "4960140"   "4983223"   "5011542"   "5028219"   "5044871"   "5062770"   "5071485"   "5105556"   "5143103"   "5167716"   "5169296"   "5169408"   "5185296"   "5186594"   "5186718"   "5188515"   "5190373"   "5191993"   "5193560"   "5195878"   "5213485"   "5217043"   "5221019"   "5222876"   "5224504"   "5236669"   "5237824"   "5240390"   "5243821"   "5246500"   "5251776"   "5252041"   "5259731"   "5267455"   "5280693"   "5285352"   "5288333"   "5306350"   "5313965"   "5314574"   "5328722"   "5337446"   "5339844"   "5355901"   "5368171"   "5370741"   "5374829"   "5377705"   "5401322"   "5404894"   "5412958"   "5417768"   "5433334"   "5447294"   "5474410"   "5494526").PN. OR ("5503176"   "5505219"   "5509431"   "5526834"   "5533538"   "5540554"   "5571330"   "5589224"   "5621982"   "5629918"   "5644855"   "5649809"   "5656097"   "5669251"   "5672204"   "5679169"   "5702228"   "5706319"   "5746008"   "5769588"   "5772783"   "5797719"   "5798126"   "5817178"   "5850747"   "5858107"   "5865602"   "5879459"   "5881577"   "5882165"   "5882182"   "5888050"   "5898727"   "5900107"   "5904737"   "5906866"   "5928389"   "5932100"   "5934856"   "5934991"   "5943721"   "5946945"   "5970554"   "5971714"   "5975492"   "5979306"   "5980648"   "5981300"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:26
5/24/07 6:11:10 PM	C:\Documents and Settings\Sleeker\My Documents\EAST\Workspaces\10611980.wsp					Page 4

## EAST Search History

S24	46	("3542200"   "4012194"   "4513590"   "4630625"   "4824487"   "5013366"   "5068040"   "5073203"   "5201960"   "5213619"   "5236602"   "5267455"   "5269850"   "5279615"   "5306350"   "5312365"   "5313965"   "5316591"   "5339844"   "5344493"   "5348588"   "5368171"   "5403621"   "5412958"). PN. OR ("5772783").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:28
S25	0	S23 and packing adj material	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:27
S26	1	S23 and packing adj material	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/15 11:27
S27	0	S24 and packing adj materials	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:28
S28	4407658	vapor same liquid same packing adj material	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/15 11:29
S29	1303	vapor same liquid same packing adj material	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/15 11:33
S30	744	vapor same liquid same packing adj material same separat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/15 11:33
S31	156	vapor same liquid same packing adj material same separat\$4 and carbon adj dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/15 11:40
S32	37	malchesky.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/15 11:40
S33	4	"6558622"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/15 11:40
S34	22	("20030205510"   "20040025908"   "5344493"   "5377705"   "5772783"   "6085762"   "6088863"   "6248136"   "6334340"   "6355072"   "6360392"   "6397421"   "6446644"   "6453924"   "6477440"   "6558475"   "6558622"   "6602349"   "6612317").PN. OR ("6874513").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:42
S35	0	S34 and packing	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:43

## EAST Search History

S36	5415	separat\$4 same packing same liquid same gas	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/05/15 17:12
S37	6455	separat\$4 same packing same liquid same gas	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/15 17:13
S38	40	separat\$4 adj tower same packing same liquid same gas	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/15 17:13
S39	0	super adj critical near co2 same separat\$4 same (packing or packed)	USPAT	OR	ON	2007/05/21 12:02
S40	20	super adj critical same separat\$4 same (packing or packed)	USPAT	OR	ON	2007/05/21 11:28
S41	18169809	super adj critical same separat\$4 same (packing or packed) n	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:11
S42	0	flash adj separator same (packed or packing) same carbon adj dioxide	USPAT	OR	ON	2007/05/21 11:29
S43	11	flash adj separator same (packed or packing)	USPAT	OR	ON	2007/05/21 11:29
S44	3262	separator same (packed or packing)	USPAT	OR	ON	2007/05/21 11:29
S45	86	separator same (packed or packing) same carbon adj dioxide	USPAT	OR	ON	2007/05/21 11:30
S46	438	separator same (packed or packing) same carbon adj dioxide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:30
S47	77	separator same (packed or packing) same carbon adj dioxide same heater	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:30

## EAST Search History

S48	317	separator same (packed or packing) same carbon adj dioxide same heat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:30
S49	9	separator same (packed or packing) same carbon adj dioxide same super same heat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:40
S50	18	"6358673"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:43
S51	438433	"6358673" and packed or packing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:43
S52	0	"6358673" and (packed or packing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:43
S53	13	"6085762"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:48
S54	1	"6085762" and (packed or packing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 11:59
S55	0	"6360392" and (packed or packing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:00

## EAST Search History

S56	3	"6360392" and "36"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:00
S57	0	super adj critical same (packing or packed) same heater	USPAT	OR	ON	2007/05/21 12:03
S58	1	super adj critical same (packing or packed) same heater	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:03
S59	53	super adj critical same (packing or packed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:03
S60	674	carbon adj dioxide same (packing or packed) same heater	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:04
S61	223	carbon adj dioxide same (packing or packed) same heater same separat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:04
S62	27	carbon adj dioxide same (packing or packed) same heater same separat\$4 same flash\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:09
S63	223	carbon adj dioxide same (packing or packed) same heater same separat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:09
S64	6	carbon adj dioxide same (packing or packed) same heater same separat\$4 same vapor adj phase same liquid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:14



## EAST Search History

S65	7	carbon adj dioxide same (packing or packed) same heater same separat\$4 same vapor adj phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:14
S66	105	carbon adj dioxide same (packing or packed) same heater same separat\$4 same vapor and liquid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 13:52
S67	87	carbon adj dioxide same (packing or packed) same heater same separat\$4 same vapor same liquid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:20
S68	468	yamagata.in. and pack\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:20
S69	12	yamagata.in. and pack\$4 and carbon adj dioxide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 12:20
S70	35	reflux same heater same carbon adj dioxide same (packed or packing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 13:56
S71	1591	134/10.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 13:57
S72	68	134/10.ccls. and supercritical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 13:56

## EAST Search History

S73	60	"134"/\$ and supercritical and (packed or packing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 13:58
S74	9	"134"/\$ and supercritical and (packed or packing) and absorbent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 13:58
S75	46	"134"/\$ and supercritical and (packed or packing) and carbon adj dioxide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 14:02
S76	27	"6612317"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 14:03
S77	1	"6612317" and (packed or packing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 14:03
S78	22	("20010050096"   "20030072690"   "20030161780"   "3420633"   "4337071"   "4349415"   "4717406"   "4806171"   "5028273"   "5339844"   "5582029"   "5775127"   "5881577"   "5925326"   "6082150"   "6164088"   "6327872"   "6361696"   "6444011"   "6612317"   "6735978").PN. OR ("6960242").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:05
S79	229	"122" and (packed or packing)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:05
S80	1485	"19" and (packed or packing)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:05

## EAST Search History

S81	22	("20010050096"   "20030072690"   "20030161780"   "3420633"   "4337071"   "4349415"   "4717406"   "4806171"   "5028273"   "5339844"   "5582029"   "5775127"   "5881577"   "5925326"   "6082150"   "6164088"   "6327872"   "6361696"   "6444011"   "6612317"   "6735978").PN. OR ("6960242").URPN. and (packed or packing)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:06
S82	7	S81 and (packed or packing)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 14:29
S83	6252	"134"/\$ and adsorbent or adsorbing and carbon adj dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 14:34
S84	6126	"134"/\$.ccls. and adsorbent or adsorbing and carbon adj dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 14:34
S85	98	"134"/\$.ccls. and (adsorbent or adsorbing) and carbon adj dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 14:37
S86	38	"134"/\$.ccls. and (adsorbent or adsorbing) same (activated adj carbon or zeolites) and carbon adj dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 14:40
S87	246	supercritical and (adsorbent or adsorbing) same (activated adj carbon or zeolites) and carbon adj dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 14:40
S88	28	supercritical and (adsorbent or adsorbing) same (activated adj carbon or zeolites) same carbon adj dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 14:41
S89	1164	(adsorbent or adsorbing) same (activated adj carbon or zeolites) same carbon adj dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 14:40
S90	5	super adj critical and (adsorbent or adsorbing) same (activated adj carbon or zeolites) same carbon adj dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 14:41
S91	14	"4971763"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 15:11
S92	12	"6669908"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 15:11

## EAST Search History

S93	16	134/11.ccls. and (adsorbent or adsorbing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 15:28
S94	33	refining adj gas same adsorb\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 15:30
S95	115	carbon adj dioxide same activated adj carbon same tower	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 15:31
S96	97	carbon adj dioxide same activated adj carbon same tower same gas	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/05/21 15:31